



1745

Atty Docket No. 8007-1012  
PATENTS

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hiroshi SUMIDA et al.

Confirmation No. 1396

Serial No. 09/752,781

GROUP 1745

Filed January 3, 2001

Examiner M. Ruthkosky

MANGANESE DIOXIDE FOR  
LITHIUM PRIMARY BATTERY  
AND PROCESS FOR PRODUCING  
THE SAMEAMENDMENT

Commissioner for Patents

Washington, D.C. 20231

TC 1700 MAIL ROOM

RECEIVED

SEP 10 2002

Sir:

Responsive to the Official Action of June 6, 2002,  
please amend the above-identified application as follows.

IN THE CLAIMS:

Amend claim 3 as follows:

--3. (amended) A process for producing manganese dioxide with a sodium content of 0.05 to 0.2% by weight for lithium primary batteries, the process consisting essentially of the steps of neutralizing electrolytic manganese dioxide with an aqueous solution containing 2.0 to 5.0g of sodium hydroxide per kg of manganese dioxide and then heating the neutralized manganese dioxide to produce manganese dioxide having a sodium content of 0.05 to 0.2% by weight.--

b1